

**ABSTRACT**

5 A wireline jar tool delivers instrument packages into  
wellbores and retrieves tools when they get stuck. The jar has  
several stored spring chambers connected to accelerate an upper  
spring chamber away from a stuck lower carrier chamber that supports  
instrument packages. Wireline tension actuates the jarring action  
and then lowers a sinker bar for reset as many times as required to  
10 incrementally jar the un-stick fish uphole. The wire line connects  
to a conductor that extends inside the tool through a main operating  
shaft, release coupling, hammer and anvil, lost motion coupling,  
into the lower chamber where the end connects to the instruments for  
communication to the surface. A small wireline tension provides  
15 unexpected large impact forces.